

IN THE CLAIMS

1. (Currently Amended) A method for creating a simulation comprising ~~the~~
~~steps of:~~

monitoring communication between an end device and a real device during a communication sequence, said communication comprising a plurality of line-commands from said end device that are directed to said real device, and a plurality of outputs from said real device, each of said plurality of outputs generated in response to one of said plurality of line-commands;

capturing said communication between said end device and said real device; an
generating a simulation application for simulating an output of said real device based on said communication associated with said communication sequence, said simulation application able to present an identical output from said real device that corresponds to a particular line-command from said plurality of line-commands.

2. (Currently Amended) The method as described in Claim 1, wherein said method comprises ~~the further step of:~~

summarizing said plurality of line commands in a summary list, said summary list comprising each of said plurality of line-commands as inputted into said real device along with a corresponding description.

3. (Currently Amended) The method as described in Claim 1, wherein said method comprises ~~the further step of:~~

grouping said plurality of line-commands into a series of steps, each of said series of steps comprising at least one line-command from said plurality of line-commands.

4. (Currently Amended) The method as described in Claim 1 wherein said method comprises ~~the further step of:~~
editing of said plurality of line-commands, said plurality of line-commands reflecting and including edited line-commands.

5. (Currently Amended) The method as described in Claim 4, wherein said method comprises ~~the further step of:~~
introducing new line-commands into corresponding steps from said series of steps.

6. (Currently Amended) The method as described in Claim 5, wherein said method comprises ~~the further step of:~~
providing step text for each of said series of steps, said step text including a short description associated with a corresponding step from said series of steps; and
providing step detail for each of said series of steps, said step detail including detailed instructions and information associated with a corresponding step from said series of steps.

7. (Currently Amended) The method as described in Claim 6, wherein said method comprises ~~the further step of:~~
re-running said communication sequence, such that said plurality of line-commands are inputted into said real device, said plurality of line-commands including edited line-commands and said new line-commands.

8. (Currently Amended) The method as described in Claim 7, wherein said method comprises ~~the further step of:~~

checking for invalid line-commands.

9. (Currently Amended) The method as described in Claim 8, wherein said method comprises ~~the further step of:~~

determining all permutations for each of said series of steps, wherein each permutation comprises a unique combination and order of line-commands and their corresponding outputs from said real device

10. (Previously Presented) The method as described in Claim 9, wherein said simulation application is an exercise that simulates a real-life interaction with said real device, said simulation application presenting realistic outputs to command-line inputs into said real device in a simulated environment, said realistic outputs corresponding to said plurality of outputs as determined by said method, said realistic outputs presented along with said step text and said step detail in an instructional exercise format.

11. (Original) The method as described in Claim 9, wherein said method is performed at a server coupled to said end device and said real device.

12. (Currently Amended) A method for creating a simulation comprising ~~the steps of:~~

monitoring communication between an end device and a real device during a communication sequence, said communication sequence relating to a real-life interaction with said real device, said communication comprising a plurality of inputs from said end

device that is directed to said real device, and a plurality of outputs from said real device to said plurality of inputs, each of said plurality of outputs generated in response to one of said plurality of inputs;

capturing said communication between said end device and said real device;

determining all permutations for said communication sequence, forming a plurality of permutations for said communication sequence, each of said plurality of permutation comprising a unique combination and order of inputs and their corresponding outputs; and

generating a simulation application for simulating an output of said real device based on said communication associated with said communication sequence, said simulation application able to present an identical output to a particular input corresponding to a particular permutation for said communication sequence.

13. (Currently Amended) The method as described in Claim 12, wherein said method comprises ~~the further step of:~~

checking for invalid inputs in said plurality of inputs; and

providing notification at said end device of said invalid inputs.

14. (Currently Amended) The method as described in Claim 12, wherein said method comprises ~~the further step of:~~

flagging predetermined items of interest; and

providing notification at said end device of said predetermined items of interest.

15. (Currently Amended) The method as described in Claim 12, wherein said method comprises ~~the further step of:~~

querying said real device for the full syntax of each input in said plurality of inputs;
and
replacing each input with their corresponding full syntax.

16. (Original) The method as described in Claim 12, wherein said method is performed at a server coupled to said end device and said real device.

17. (Original) The method as described in Claim 12, wherein said real device is any Internet network device.

18. (Original) The method as described in Claim 12, wherein said real device is an Internet content provider.

19. (Original) The method as described in Claim 12, wherein said communication is in the form of a command-line interface with line-commands, each of said plurality of inputs corresponding to one of a plurality of line-commands.

20. (Currently Amended) The method as described in Claim 19, wherein said method comprises ~~the further step of:~~

grouping said plurality of line-commands into a series of steps, each of said series of steps comprising at least one line-command from said plurality of line-commands;

editing of said plurality of line-commands, said plurality of line-commands reflecting and including edited line-commands;

introducing new line-commands into corresponding steps from said series of steps;

providing step text for each of said series of steps, said step text including a short description associated with a corresponding step from said series of steps;

providing step detail for each of said series of steps, said step detail including detailed instructions and information associated with a corresponding step from said series of steps;

re-running said communication sequence, such that said plurality of line-commands are inputted into said real device, said plurality of line-commands including edited line-commands and said new line-commands;

checking for invalid line-commands; and

automatically determining all permutations for each of said series of steps, wherein each permutation comprises a unique combination and order of line-commands and their corresponding outputs from said real device.

21. (Original) The method as described in Claim 20, wherein said simulation application is a computer based exercise that simulates said real-life interaction with said real device, said simulation application presenting real-life outputs to command-line inputs into said real device in a simulated environment, said real-life outputs as determined by said method, said real-life outputs presented along with said step text and said step detail in an instructional exercise format.

22. (Currently Amended) A computer system comprising a processor, a memory unit, and a display screen wherein said memory contains instructions that when executed are operable to implement a method of creating a simulation comprising the steps of:

monitoring monitor communication between an end device and a real device during a communication sequence, said communication comprising a plurality of line-commands from said end device that are directed to said real device, and a plurality of outputs from said real

device, each of said plurality of outputs generated in response to one of said plurality of line-commands;

~~capturing~~ capture said communication between said end device and said real device;

and

~~generating~~ generate a simulation application for simulating an output of said real device based on said communication associated with said communication sequence, said simulation application able to present an identical output from said real device that corresponds to a particular line-command from said plurality of line-commands.

23. (Currently Amended) The computer system as described in Claim 22, wherein the instructions when executed are further operable to said method comprises the further step of:

~~summarizing~~ summarize said plurality of line commands in a summary list, said summary list comprising each of said plurality of line-commands as inputted into said real device along with a corresponding description.

24. (Currently Amended) The computer system as described in Claim 22, wherein the instructions when executed are further operable to said method comprises the further step of:

~~grouping~~ group said plurality of line-commands into a series of steps, each of said series of steps comprising at least one line-command from said plurality of line-commands.

25. (Currently Amended) The computer system as described in Claim 22, wherein the instructions when executed are further operable to said method comprises the further step of:

~~editing of edit~~ said plurality of line-commands, said plurality of line-commands reflecting and including edited line-commands.

26. (Currently Amended) The computer system as described in Claim 25, wherein ~~the instructions when executed are further operable to said method comprises the further step of:~~

~~introducing~~ introduce new line-commands into corresponding steps from said series of steps.

27. (Currently Amended) The computer system as described in Claim 26, wherein ~~the instructions when executed are further operable to said method comprises the further step of:~~

~~providing~~ provide step text for each of said series of steps, said step text including a short description associated with a corresponding step from said series of steps; and

~~providing~~ provide step detail for each of said series of steps, said step detail including detailed instructions and information associated with a corresponding step from said series of steps.

28. (Currently Amended) The computer system as described in Claim 27, wherein ~~the instructions when executed are further operable to said method comprises the further step of:~~

~~re-running~~ re-run said communication sequence, such that said plurality of line-commands are inputted into said real device, said plurality of line-commands including edited line-commands and said new line-commands.

29. (Currently Amended) The computer system as described in Claim 28, wherein ~~the instructions when executed are further operable to said method comprises the further step~~ of:

~~checking~~ check for invalid line-commands.

30. (Currently Amended) The computer system as described in Claim 29, wherein ~~the instructions when executed are further operable to said method comprises the further step~~ of:

~~determining~~ determine all permutations for each of said series of steps, wherein each permutation comprises a unique combination and order of line-commands and their corresponding outputs from said real device.

31. (Currently Amended) The computer system as described in Claim 30, wherein said simulation application is an exercise that simulates a real-life interaction with said real device, said simulation application presenting real-life outputs to command-line inputs into said real device in a simulated environment, said real-life outputs corresponding to said plurality or outputs as determined ~~by said method~~, said real-life outputs presented along with said step text and said step detail in an instructional exercise format.

32. (Currently Amended) The computer system as described in Claim 30, wherein ~~said method is performed at a server~~ the computer system is coupled to said end device and said real device.

33. (Currently Amended) A computer-readable medium comprising computer-executable instructions that when executed are operable to for performing a method of creating a simulation, said method comprising the steps of:

~~monitoring~~ monitor communication between an end device and a real device during a communication sequence, said communication comprising a plurality of line-commands from said end device that are directed to said real device, and a plurality of outputs from said real device, each of said plurality of outputs generated in response to one of said plurality of line-commands;

~~capturing~~ capture said communication between said end device and said real device;

and

~~generating~~ generate a simulation application for simulating an output of said real device based on said communication associated with said communication sequence, said simulation application able to present an identical output from said real device that corresponds to a particular line-command from said plurality of line-commands.

34. (Currently Amended) The computer-readable medium as described in Claim 33, wherein the computer-executable instructions are further operable to said method comprises the further step of:

~~summarizing~~ summarize said plurality of line commands in a summary list, said summary list comprising each of said plurality of line-commands as inputted into said real device along with a corresponding description.

35. (Currently Amended) The computer-readable medium as described in Claim 33, wherein the computer-executable instructions are further operable to said method comprises the further step of:

~~grouping group~~ said plurality of line-commands into a series of steps, each of said series of steps comprising at least one line-command from said plurality of line-commands.

36. (Currently Amended) The computer-readable medium as described in Claim 33, wherein the computer-executable instructions are further operable to said method ~~comprises the further step of:~~

~~editing of edit~~ said plurality of line-commands, said plurality of line-commands reflecting and including edited line-commands.

37. (Currently Amended) The computer-readable medium as described in Claim 36, wherein the computer-executable instructions are further operable to said method ~~comprises the further step of:~~

~~introducing introduce~~ new line-commands into corresponding steps from said series of steps.

38. (Currently Amended) The computer-readable medium as described in Claim 37, wherein the computer-executable instructions are further operable to said method ~~comprises the further step of:~~

~~providing provide~~ step text for each of said series of steps, said step text including a short description associated with a corresponding step from said series of steps; and

~~providing provide~~ step detail for each of said series of steps, said step detail including detailed instructions and information associated with a corresponding step from said series of steps.

39. (Currently Amended) The computer-readable medium as described in Claim 38, wherein the computer-executable instructions are further operable to said method ~~comprises the further step of:~~

automatically ~~re-running~~ re-run said communication sequence, such that said plurality of line-commands are inputted into said real device, said plurality of line-commands including edited line-commands and said new line-commands.

40. (Currently Amended) The computer-readable medium as described in Claim 39, wherein the computer-executable instructions are further operable to: said method ~~comprises the further step of~~

~~checking~~ check for invalid line-commands.

41. (Currently Amended) The computer-readable medium as described in Claim 40, wherein the computer-executable instructions are further operable to said method ~~comprises the further step of:~~

~~determining~~ determine all permutations for each of said series of steps, wherein each permutation comprises a unique combination and order of line-commands and their corresponding outputs from said real device.

42. (Currently Amended) The computer-readable medium as described in Claim 41, wherein said simulation application is an exercise that simulates a real-life interaction with said real device, said simulation application presenting real-life outputs to command-line inputs into said real device in a simulated environment, said real-life outputs corresponding to said plurality of outputs as determined ~~by said method~~, said real-life outputs presented along with said step text and said step detail in an instructional exercise format.

43. (Currently Amended) The computer-readable medium as described in Claim 41, wherein the computer-readable medium is stored on a said method is performed at a server coupled to said end device and said real device.

44. (Previously Presented) A simulation generating mechanism for creating a simulation comprising:

means for monitoring communication between an end device and a real device during a communication sequence, said communication comprising a plurality of line-commands from said end device that are directed to said real device, and a plurality of outputs from said real device, each of said plurality of outputs generated in response to one of said plurality of line-commands;

means for capturing said communication between said end device and said real device; and

means for generating a simulation application for simulating an output of said real device based on said communication associated with said communication sequence, said simulation application able to present an identical output from said real device that corresponds to a particular line-command from said plurality of line-commands.

45. (Previously Presented) The simulation generating mechanism as described in Claim 44, further comprises:

means for summarizing said plurality of line commands in a summary list, said summary list comprising each of said plurality of line-commands as inputted into said real device along with a corresponding description.

46. (Previously Presented) The simulation generating mechanism as described in Claim 44, further comprising:

means for grouping said plurality of line-commands into a series of steps, each of said series of steps comprising at least one line-command from said plurality of line-commands.

47. (Previously presented) The simulation generating mechanism as described in Claim 44, further comprising:

means for editing of said plurality of line-commands, said plurality of line-commands reflecting and including edited line-commands.

48. (Previously Presented) The simulation generating mechanism as described in Claim 47, further comprising

means for introducing new line-commands into corresponding steps from said series of steps.

49. (Previously Presented) The simulation generating mechanism as described in Claim 48, further comprising:

means for providing step text for each of said series of steps, said step text including a short description associated with a corresponding step from said series of steps; and

means for providing step detail for each of said series of steps, said step detail including detailed instructions and information associated with a corresponding step from said series of steps.

50. (Previously Presented) The simulation generating mechanism as described in claim 49, further comprising:

Docket No. 2705-701

Page 17 of 20

Application No. 09/904,982

means for re-running said communication sequence, such that said plurality of line-commands are inputted into said real device, said plurality of line-commands including edited line-commands and said new line-commands.

51. (Previously Presented) The simulation generating mechanism as described in claim 50, further comprising:

means for checking for invalid line-commands.

52. (Previously Presented) The simulation generating mechanism as described in Claims 51, further comprising:

means for determining all permutations for each of said series of steps, wherein each permutation comprises a unique combination and order of line-commands and their corresponding outputs from said real device.

53. (Previously Presented) The simulation generating mechanism as described in Claim 52, wherein said simulation application is an exercise that simulates a real-life interaction with said real device, said simulation application presenting real-life outputs to command-line inputs into said real device in a simulated environment, said real-life outputs presented along with said step text and said step detail in an instructional exercise format.